

**A METHOD FOR SYNCHRONIZING RASTER AND VECTOR MAP IMAGES**

**ABSTRACT OF THE DISCLOSURE**

5        A system and method for coordinated manipulation of multiple displayed maps, even when the maps use different internal coordinate systems. According to this embodiment, each map image to be displayed is first georeferenced, to provide a set of conversion functions between each map's internal coordinate system and a geographic coordinate system, which is latitude/longitude in the preferred embodiment. After this is done, any point on each map can be referenced using the geographic coordinate set. Since this is the case, the maps can now be manipulated, edited, and annotated in a synchronized manner, by defining the manipulations in terms of the geographic coordinate system, and using the georeferencing functions to translate the manipulation to each map's internal coordinate system.

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